

Appln No.: 09/966,042
Response Dated: November 9, 2004
Reply to Office Action of: September 10, 2004

Amendment to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of claims:

1. (Currently Amended) A method of displaying a plurality of icons that can be selected by a user from a display on a mobile terminal, the method comprising the steps of:
 - (a) receiving a plurality of messages from message sources;
 - (b) comparing one or more characteristics associated with each of the plurality of messages to one or more context values that are specific to the user of the mobile terminal;
 - (c) determining a proximity associated with each message source in relation to the mobile terminal;
 - (d) associating an icon with each of the plurality of messages;
 - (e) representing, in a priority section of the display, a first icon corresponding to a message having one or more characteristics that best match the one or more context values using a display format that is enlarged in relation to other icons in the priority section; and
 - (f) representing, in a proximity section of the display, a second icon corresponding to a message source having the closest proximity using a display format that is enlarged in relation to other icons in the proximity section, wherein the proximity section is separately located from the priority section on the display.
2. (Original) The method of claim 1, wherein step (c) comprises calculating a physical proximity to the mobile terminal.
3. (Original) The method of claim 1, wherein step (c) comprises calculating a temporal proximity.

4. (Original) The method of claim 1, wherein step (b) comprises the step of comparing characteristics and context values that relate to a time of day.

5. (Original) The method of claim 4, wherein step (b) comprises the step of comparing a service associated with one or more of the messages during the time of day, such that certain services will be preferred over other services during the particular time of day.

6. (Original) The method of claim 1, wherein step (b) comprises the step of comparing a price associated with a service corresponding to one or more of the plurality of messages.

7. (Original) The method of claim 1,
wherein step (b) comprises the step of comparing services of a user-specified type, and

wherein step (e) comprises the step of displaying icons corresponding to the user-specified type of services in the enlarged format.

8. (Original) The method of claim 1,
wherein step (b) comprises the step of comparing a user-specified grade of services, and
wherein step (e) comprises the step of displaying icons corresponding to the user-specified grade of services in the enlarged format.

9. (Original) The method of claim 1, wherein step (d) comprises extracting an icon from one of the plurality of messages.

10. (Original) The method of claim 1, wherein in step (b) at least some of the characteristics are extracted from the message.

11. (Original) The method of claim 1, wherein in step (b) at least one of the one or more context values are set by the user of the mobile terminal.

12. (Original) The method of claim 1, further comprising the step of, in response to the user selecting one of the icons, launching an application program associated with the selected icon.

13. (Original) The method of claim 12, wherein the application program comprises a program that displays text included in the message corresponding to the icon.

14. (Original) The method of claim 1, wherein the priority section comprises a navigation bar formed along a portion of a bottom of the display.

15. (Original) The method of claim 14, wherein the proximity section comprises a navigation bar formed along a portion of the bottom of the display.

16. (Original) The method of claim 1, wherein one of the priority section and the proximity section comprises a navigation bar formed along at least a portion of a bottom of the display.

17. (Original) The method of claim 16, wherein the other one of the priority section and the proximity section comprises a navigation bar formed along at least a portion of a side of the display.

18. (Original) The method of claim 1, wherein the priority section and proximity section comprise separate rows formed along a portion of a bottom of the display.

19. (Original) The method of claim 1, wherein the priority section and proximity section comprise separate columns formed along a portion of a side of the display.

20. (Currently Amended) A method of displaying a plurality of icons that can be selected by a user from a display on a mobile terminal, the method comprising the steps of:

- (a) receiving a plurality of messages from message sources;
- (b) receiving a first profile containing context values that are specific to the user of the mobile terminal;
- (c) comparing one or more characteristics associated with each of the plurality of messages to one or more of the first profile context values;
- (d) determining a proximity associated with each message source in relation to the mobile terminal;
- (e) associating an icon with each of the plurality of messages;
- (f) representing, in a priority section of the display, a first icon corresponding to a message having one or more characteristics that best match the one or more context values of the first profile using a display format that is enlarged in relation to other icons in the priority section; and
- (g) representing, in a proximity section of the display, a second icon corresponding to a message source having the closest proximity using a display format that is enlarged in relation to other icons in the proximity section, wherein the proximity section is separately located from the priority section on the display.

21. (Original) The method of claim 20, further comprising the step of receiving a second profile containing context values that are specific to the user of the mobile terminal, and wherein step (c) comprises comparing one or more characteristics associated with each of the plurality of messages to one or more of the first profile context values and to one or more of the second profile context values to determine classifications for each of the messages.

22. (Original) The method of claim 20, further including the step of:
deleting a received message when one or more characteristics of the message do not match the context values.

23. (Original) The method of claim 20, further comprising the steps of:
(h) receiving a second profile containing context values that are specific to the user of the mobile terminal; and

(i) receiving a selection of the first or second profiles from the user of the mobile terminal.

24. (Currently Amended) A mobile terminal comprising:
a display capable of displaying graphical icons;
a user input device that permits a user of the mobile terminal to select one or more of the graphical icons displayed on the display; and

a processor programmed with computer-executable instructions that, when executed, perform the steps comprising:

(a) comparing one or more characteristics associated with each of a plurality of messages received from message sources to one or more context values that are specific to the user of the mobile terminal;

(b) determining a proximity associated with each message source in relation to the mobile terminal;

(c) associating an icon with each of the plurality of messages;

(d) representing, in a priority section of the display, a first icon corresponding to a message having one or more characteristics that best match the one or more context values using a display format that is enlarged in relation to other icons in the priority section; and

(e) representing, in a proximity section of the display, a second icon corresponding to a message source having the closest proximity using a display format that is enlarged in relation to the other icons in the proximity section, wherein the proximity section is separately located from the priority section on the display.

25. (Currently Amended) A mobile terminal comprising:
a display capable of displaying graphical icons;
a user input device that permits a user of the mobile terminal to select one or more of the graphical icons displayed on the display;

means for displaying on the display device at least a first icon in an enlarged display format in response to determining that information contained in a first received message matches a user-specified context value; and

means for displaying on the display device at least a second icon in an enlarged display format in response to determining that the proximity of a source associated with a second received message is in closer proximity than the sources associated with other received messages, wherein the second icon is displayed in a different region on the display device than the first icon.

26. (Original) The mobile terminal of claim 25, further comprising means for extracting the first icon from the first message.

27. (Currently Amended) A mobile terminal comprising:
a receiving circuit that receives a plurality of messages containing information relating to a particular service that is potentially available to a user of the mobile terminal;
a message storage area that stores the plurality of messages;
a display unit capable of displaying graphical icons;
a context matching function that:
compares information extracted from each of the plurality of messages to one or more context values;
priority ranks the plurality of messages according to the degree to which the extracted information matches the one or more context values;
causes a first set of graphical icons corresponding to the messages to be displayed on the display unit with at least one dimension that is determined by the priority ranking; and
a proximity ranker that:
proximity ranks the plurality of messages according to the respective proximities of the message sources; and
causes a second set of graphical icons corresponding to the messages to be displayed on the display unit with at least one dimension that is determined by the proximity ranking;

proximity ranking, wherein the first set of graphical icons is displayed in a different region on the display unit than the second set of graphical icons.

28. (Original) The mobile terminal of claim 27, further comprising a user input device configured to permit the user to change the one or more context values.

29. (Currently Amended) A computer-readable medium containing computer-executable instructions for causing a mobile terminal to performing the steps of:

- (a) receiving a plurality of messages from message sources;
- (b) comparing one or more characteristics associated with each of the plurality of messages to one or more context values that are specific to the user of the mobile terminal;
- (c) determining a proximity associated with each message source in relation to the mobile terminal;
- (d) associating an icon with each of the plurality of messages;
- (e) representing, in a priority section of the display, a first icon corresponding to a message having one or more characteristics that best match the one or more context values using a display format that is enlarged in relation to other icons in the priority section; and
- (f) representing, in a proximity section of the display, a second icon corresponding to a message source having the closest proximity using a display format that is enlarged in relation to other icons in the proximity section, wherein the proximity section is separately located from the priority section on the display.

30. (Currently Amended) A mobile terminal comprising a display on which:
a first plurality of user-selectable icons are arranged in an order determined by a degree of matching between information corresponding to the respective ones of the first plurality of icons and one or more context values; and
a second plurality of user selectable icons arranged in an order determined by a degree of physical proximity to the mobile terminal, wherein the second plurality of user

selectable icons is separately located from the first plurality of user selectable icons on the display.

31. (Original) The mobile terminal of claim 30, wherein one of the first plurality of icons is displayed in an enlarged format relative to others of the first plurality icons, and wherein one of the second plurality of icons is displayed in an enlarged format relative to others of the second plurality of icons.

32. (Currently Amended) A mobile terminal that receives a plurality of messages from messages sources, the mobile terminal comprising:

a display capable of displaying graphical icons;
a user input device that permits a user of the mobile terminal to select one or more of the graphical icons displayed on the display; and
a processor programmed with computer-executable instructions that, when executed, perform the steps comprising:

(a) determining a proximity associated with each message source in relation to the mobile terminal;
(b) associating an icon with each of the plurality of messages; and
(c) representing, in a proximity section of the display, icons in an order selectively determined by distances between the mobile terminal and the respective message sources or by times associated with corresponding messages.

33. (Previously Presented) The method of claim 21, wherein the first profile is created by the user of the mobile terminal.

34. (Currently Amended) A method of displaying a plurality of icons that can be selected by a user from a display on a mobile terminal, the method comprising the steps of:

(a) receiving a plurality of messages from message sources;

(b) receiving a first profile containing context values that are specific to the user of the mobile terminal;

(c) receiving a second profile containing context values that are specific to the user of the mobile terminal;

(d) comparing one or more characteristics associated with each of the plurality of messages to one or more of the first profile context values and the second profile context values;

(e) associating an icon with each of the plurality of messages;

(f) representing, in a first priority section of the display, a first icon corresponding to a message having one or more characteristics that best match the one or more context values of the first profile using a display format that is enlarged in relation to other icons in the first priority section; and

(g) representing, in a second priority section of the display, a second icon corresponding to a message having one or more characteristics that best match the one or more context values of the second profile using a display format that is enlarged in relation to other icons in the second priority section, wherein the second priority section is separately located from the first priority section on the display.

35. (Previously Presented) The method of claim 1, further including:

(g) updating the arrangement of icons displayed on the display.

36. (Previously Presented) The method of claim 35, wherein (g) is performed in response movement of the mobile terminal.

37. (Previously Presented) The method of claim 35, wherein (g) is performed periodically at the expiration of a time interval.

38. (Previously Presented) The method of claim 20, further including determining whether a message received in (a) corresponds to the first profile.

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39. (Previously Presented) The method of claim 1, further including receiving minimum priority and maximum proximity values from the user.

40. (Previously Presented) The method of claim 1, further including determining relative minimum priority and maximum proximity values so that a predetermined number of icons will be displayed.

41. (Previously Presented) The method of claim 1, wherein (c) comprises determining whether one or more characteristics satisfies an alarm value.

42. (Previously Presented) The method of claim 41, further including activating an alarm when the one or more characteristics satisfies the alarm value.

43. (Previously Presented) The method of claim 1, wherein (d) comprises determining whether a proximity is less than an alarm value.

44. (Previously Presented) The method of claim 43, further including activating an alarm when the proximity is less than the alarm value.